

# FILE NOTATIONS

Entered in N I D File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy N I D to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

OW

✓

WW

TA

GW

OS

PA

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driller's Log

Electric Logs (No. )

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

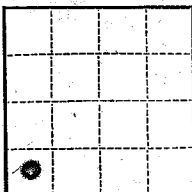
Others

Radioactivity Log

Contact Caliper Log

(SUBMIT IN TRIPLICATE)

Indian Agency \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Contract I-149-Ind-9124

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

|   |                                     |  |  |
|---|-------------------------------------|--|--|
| NOTICE OF INTENTION TO DRILL                  | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF        |  |
| NOTICE OF INTENTION TO CHANGE PLANS           |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    |                                     | SUBSEQUENT REPORT OF ALTERING CASING       |  |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL |                                     | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       |                                     | SUBSEQUENT REPORT OF ABANDONMENT           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   |                                     | SUPPLEMENTARY WELL HISTORY                 |  |
| NOTICE OF INTENTION TO ABANDON WELL           |                                     |  |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Lease No. 146339  
Navajo Tribe "J"

August 4, 1961

Well No. 16 is located 660 ft. from ☒ [S] line and 660 ft. from ☒ [W] line of sec. 17SW/4 SW/4 Sec. 17 T-40-S R-26-E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)Ismay San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4974 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

## FORMATIONS EXPECTED:

|               |       |
|---------------|-------|
| Top of Chinle | 1581' |
| Organ Rock    | 2783' |
| Hermosa       | 4641' |
| Ismay         | 5561' |
| Total Depth   | 5895' |

## SIZE CASING

|         |        |     |
|---------|--------|-----|
| 10-3/4" | 32.75# | New |
| 7-5/8"  | 24#    | New |
| 4-1/2"  | 9.5#   | New |

## CASING PROGRAM (APPROX.)

| Set at | Cement |
|--------|--------|
| 190'   | 100 sx |
| 1581'  | 800 sx |
| 5695'  | *      |

\*Set two stage cementing tool on production string at approximately 1680'. The primary stage is to consist of 200 sacks of cement with 50 sacks of latex cement on bottom. The second stage is to consist of 500 sacks of cement. Scratchers and centralizers are to be run through the Ismay zone.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company TEXACO Inc. TEXACO Inc.Address P. O. Box 3109  
Midland, TexasBy J. J. Velten  
Title Division Civil Engineer



August 7, 1961

Texaco, Inc.  
P. O. Box 3109  
Midland, Texas

Attn: J. J. Veltan, Div. Civil Eng.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo Tribe "J" #16, which is to be located 660 feet from the south line and 660 feet from the west line of Section 17, Township 40 South, Range 26 East, S16M, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,  
EXECUTIVE SECRETARY

CBF:avg

cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey

H. L. Coonts - OCCC, Moab

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**(SUBMIT IN TRIPLICATE)**

Indian Agency NavaJo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**Alottee** \_\_\_\_\_

Lease No. I-149-IND-9124

## SUNDRY NOTICES AND REPORTS ON WELLS

|   |  |   |
|---|--|---|
| NOTICE OF INTENTION TO DRILL                  | SUBSEQUENT REPORT OF WATER SHUT-OFF        | X |
| NOTICE OF INTENTION TO CHANGE PLANS           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |   |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    | SUBSEQUENT REPORT OF ALTERING CASING       |   |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |   |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       | SUBSEQUENT REPORT OF ABANDONMENT           |   |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   | SUPPLEMENTARY WELL HISTORY                 |   |
| NOTICE OF INTENTION TO ABANDON WELL           |  |   |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 17 \_\_\_\_\_, 19 61

Navajo Tribe "J"

Well No. 16 is located 660 ft. from S line and 660 ft. from W line of sec. 17

SW $\frac{1}{4}$  of Sec. 17  
( $\frac{1}{4}$  Sec. and Sec. No.)

40-3  
(Twp.)

**26-1**  
(Range)

SLM  
(Meridian)

**Ismay**  
(Field)

**San Juan**  
(County or Subdivision)

**Utah**  
-----  
(State or Territory)

The elevation of the derrick floor above sea level is 4974 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 1:45 P.M., August 5, 1961.

Drilled 13-3/4" hole to 104' and cemented 90' of 10-3/4" casing at 104' with 100 sacks of cement. Cement circulated.

Drilled 9-7/8" hole to 1620' and ran 1538' of 7-5/8" O.D. casing to 1548'. Casing stuck at 1548' and could not be worked free. Ran free point indicator and perforated 7-5/8" casing with 4 jet shots at 1477'. Attempted to circulate through perforations and failed. Perforated 7-5/8" casing with 4 jet shots at 1460'. Cemented casing through perforations with 600 sacks of 50-50 pozmix followed by 100 sacks of regular cement containing 2% calcium chloride. Cement

(Cont'd. on reverse side)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company TEXACO Inc.

Address P. O. Box 810

**Farmington, New Mexico**

By

Title District Superintendent

circulated to surface. Perforated 7-5/8" casing at 1500' with 4 jet shots. Set retainer at 1535' and cemented casing through perforations with 50 sacks of cement at 2000# pressure. Perforations failed to squeeze. Squeezed perforations with 60 sacks of cement with 2% calcium chloride added. Tested casing with 800# pressure for 30 minutes. Tested O.K.

AUG 20 1961

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allettee I-149-IND-9124

Lease No. \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

|   |  |                                     |
|---|--|-------------------------------------|
| NOTICE OF INTENTION TO DRILL                  | SUBSEQUENT REPORT OF WATER SHUT-OFF        | <input checked="" type="checkbox"/> |
| NOTICE OF INTENTION TO CHANGE PLANS           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |                                     |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    | SUBSEQUENT REPORT OF ALTERING CASING       |                                     |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |                                     |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       | SUBSEQUENT REPORT OF ABANDONMENT           |                                     |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   | SUPPLEMENTARY WELL HISTORY                 |                                     |
| NOTICE OF INTENTION TO ABANDON WELL           |  |                                     |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 19, 1961

Navajo Tribe "J"

Well No. 16 is located 660 ft. from  $\begin{matrix} \text{X} \\ \text{N} \\ \text{S} \end{matrix}$  line and 660 ft. from  $\begin{matrix} \text{X} \\ \text{E} \\ \text{W} \end{matrix}$  line of sec. 17

SW  $\frac{1}{4}$  of Sec 17  
( $\frac{1}{4}$  Sec. and Sec. No.)

40-8  
(Twp.)

26-E  
(Range)

SLM  
(Meridian)

Isamay  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 4974 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled 6 3/4" hole to 5648' and cemented 5637' of 4 1/2" O.D. Casing at 5647' with 200 sacks of regular cement followed by 50 sacks of Latex cement. Tested casing with 1000# pressure for 30 minutes. Casing tested OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company TEXACO Inc.

Address Box 810

Farlington

By [Signature]

Title District Superintendent

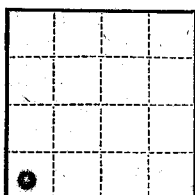
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allettee \_\_\_\_\_

Lease No. I-149-IND-9124



SUNDRY NOTICES AND REPORTS ON WELLS

|   |  |   |
|---|--|---|
| NOTICE OF INTENTION TO DRILL                  | SUBSEQUENT REPORT OF WATER SHUT-OFF        |   |
| NOTICE OF INTENTION TO CHANGE PLANS           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | X |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    | SUBSEQUENT REPORT OF ALTERING CASING       |   |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |   |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       | SUBSEQUENT REPORT OF ABANDONMENT           |   |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   | SUPPLEMENTARY WELL HISTORY                 | X |
| NOTICE OF INTENTION TO ABANDON WELL           |  |   |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 30, 1961

Navajo Tribe "J"

Well No. 16 is located 660 ft. from S line and 660 ft. from W line of sec. 17

SW 1/4 of Sec. 19

(1/4 Sec. and Sec. No.)

40-S

(Twp.)

26-E

(Range)

SLM

(Meridian)

Ismay

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is 4974 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 5648'. Plugged back depth 5647'

Perforated 4-1/2" casing 5601'-5607', 5632'-5640', 5559'-5565', 5586'-5590' with 2 jet shots per foot. Set bridge plug at 5644' and packer at 5610'. Treated perforations 5632'-5640' with 500 gallons low surface tension non-emulsifying acid and 3000 gallons HV acid. Set bridge plug at 5618' and packer at 5575' and treated perforations 5607'-5586' with 500 gallons LSTNE acid and 3000 gallons HV acid. Set bridge plug at 5575' and packer at 5530'. Treated perforations 5565'-5559' with 500 gallons LSTNE acid and 3000 gallons HV acid. Pushed plug to bottom of hole and reset packer at 5545'. After swabbing, well flowed 139 barrels oil and 33 barrels acid water in four hours.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company TEXACO Inc.

Address P. O. Box 810

Farmington, New Mexico

By [Signature]

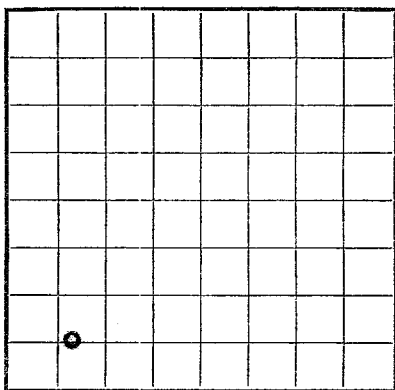
Title District Superintendent



U. S. LAND OFFICE

SERIAL NUMBER **I-149-IND-9124**

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

**LOG OF OIL OR GAS WELL**

Company **TEXACO Inc.** Address **Box 810, Farmington, N. M.**  
 Lessor or Tract **Navajo Tribe "J"** Field **Isamay** State **Utah**  
 Well No. **16** Sec. **17** T. **40-S** R. **26-E** Meridian **SLM** County **San Juan**  
 Location **660** ft. **[N.]** of **S** Line and **660** ft. **[E.]** of **W** Line of **Section 17** Elevation **4974'**  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_

Date **October 30, 1961**Title **District Superintendent**

The summary on this page is for the condition of the well at above date.

Commenced drilling **August 3, 1961** Finished drilling **September 2, 1961**

**OIL OR GAS SANDS OR ZONES**  
 (Denote gas by G)  
 No. 1, from **5520'** to **5640'** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
**IMPORTANT WATER SANDS**  
 No. 1, from **None** to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

**CASING RECORD**

| Size casing               | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose |
|---------------------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|---------|
|                           |                 |                  |      |        |              |                     | From—      | To— |         |
| 10-3/4                    | 21              | 8                | SALE | 80     |              |                     |            |     |         |
| 7-5/8                     | 14              | 8                | SALE | 128    |              |                     |            |     |         |
| 4-1/2                     | 9.5             | 8                | SALE | 563    |              |                     |            |     |         |
| HISTORY OF OH OK GYS WELL |                 |                  |      |        |              |                     |            |     |         |

**MUDDING AND CEMENTING RECORD**

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4      | 104       | 100                    | Halliburton |             |                    |
| 7-5/8       | 1548      | 810                    | Halliburton |             |                    |
| 4-1/2       | 5647      | 250                    | Halliburton |             |                    |

**PLUGS AND ADAPTERS**

Heaving plug—Material **None** Length **—** Depth set **—**  
 Adapters—Material **None** Size **—**

**SHOOTING RECORD**

FOLD MARK

# MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4      | 104       | 100                    | Halliburton |             |                    |
| 7-5/8       | 1548      | 810                    | Halliburton |             |                    |
| 4-1/2       | 5647      | 250                    | Halliburton |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material None Length --- Depth set ---  
 Adapters—Material None Size ---

## SHOOTING RECORD

| Size        | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|-------------|------------|----------------|----------|------|------------|-------------------|
| <u>None</u> |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 5648 feet, and from --- feet to --- feet  
 Cable tools were used from None feet to --- feet, and from --- feet to --- feet

## DATES

Tested September 11, 1961 Put to producing September 9, 1961  
 The production for the first 24 hours was 1032 barrels of fluid of which 81% was oil; ---%  
 emulsion; 19% water; and ---% sediment. Gravity, °Bé. 42.10  
 If gas well, cu. ft. per 24 hours --- Gallons gasoline per 1,000 cu. ft. of gas ---  
 Rock pressure, lbs. per sq. in. ---

## EMPLOYEES

Price Young, Driller V. J. Roberts, Driller  
Paul Coleman, Driller

## FORMATION RECORD

| FROM—                    | TO—  | TOTAL FEET | FORMATION           |
|--------------------------|------|------------|---------------------|
| 0                        | 48   | 48         | Sand & surface rock |
| 48                       | 1586 | 1538       | Sand & Shale        |
| 1586                     | 1620 | 34         | Shale               |
| 1620                     | 3673 | 2053       | Sand & Shale        |
| 3673                     | 3752 | 79         | Shale & Lime        |
| 3752                     | 3956 | 204        | Sand & Shale        |
| 3956                     | 4026 | 70         | Shale & Lime        |
| 4026                     | 4240 | 214        | Sand & Shale        |
| 4240                     | 4336 | 96         | Shale               |
| 4336                     | 4458 | 122        | Sand & Shale        |
| 4458                     | 4740 | 282        | Shale & Lime        |
| 4740                     | 4900 | 160        | Lime & Shale        |
| 4900                     | 5018 | 118        | Shale & Sand        |
| 5018                     | 5345 | 327        | Shale & Lime        |
| 5345                     | 5408 | 63         | Shale, Lime, & Sand |
| 5408                     | 5585 | 177        | Shale & Lime        |
| 5585                     | 5615 | 30         | Shale & Anhydrite   |
| 5615                     | 5648 | 33         | Lime & Shale        |
| Total depth 5648'        |      |            |                     |
| Plugged back depth 5647' |      |            |                     |
| FROM—                    | TO—  | TOTAL FEET | FORMATION           |

**1045K**

FD-302a-

| <u>FORMATION TOPS</u> |       |         |       |       |       |       |       |       |       |
|-----------------------|-------|---------|-------|-------|-------|-------|-------|-------|-------|
| TIME & DEPTH          |       |         |       |       |       |       |       |       |       |
| 20510 & 20515         | 20510 | 20515   | 20520 | 20525 | 20530 | 20535 | 20540 | 20545 | 20550 |
| 20555                 | 20560 | 20565   | 20570 | 20575 | 20580 | 20585 | 20590 | 20595 | 20600 |
| 20605                 | 20610 | 20615   | 20620 | 20625 | 20630 | 20635 | 20640 | 20645 | 20650 |
| 20655                 | 20660 | 20665   | 20670 | 20675 | 20680 | 20685 | 20690 | 20695 | 20700 |
| 20705                 | 20710 | 20715   | 20720 | 20725 | 20730 | 20735 | 20740 | 20745 | 20750 |
| 20755                 | 20760 | 20765   | 20770 | 20775 | 20780 | 20785 | 20790 | 20795 | 20800 |
| 20805                 | 20810 | 20815   | 20820 | 20825 | 20830 | 20835 | 20840 | 20845 | 20850 |
| 20855                 | 20860 | 20865   | 20870 | 20875 | 20880 | 20885 | 20890 | 20895 | 20900 |
| 20905                 | 20910 | 20915   | 20920 | 20925 | 20930 | 20935 | 20940 | 20945 | 20950 |
| 20955                 | 20960 | 20965   | 20970 | 20975 | 20980 | 20985 | 20990 | 20995 | 21000 |
| 21005                 | 21010 | 21015   | 21020 | 21025 | 21030 | 21035 | 21040 | 21045 | 21050 |
| 21055                 | 21060 | 21065   | 21070 | 21075 | 21080 | 21085 | 21090 | 21095 | 21100 |
| 21105                 | 21110 | 21115   | 21120 | 21125 | 21130 | 21135 | 21140 | 21145 | 21150 |
| 21155                 | 21160 | 21165   | 21170 | 21175 | 21180 | 21185 | 21190 | 21195 | 21200 |
| 21205                 | 21210 | 21215   | 21220 | 21225 | 21230 | 21235 | 21240 | 21245 | 21250 |
| 21255                 | 21260 | 21265   | 21270 | 21275 | 21280 | 21285 | 21290 | 21295 | 21300 |
| 21305                 | 21310 | 21315   | 21320 | 21325 | 21330 | 21335 | 21340 | 21345 | 21350 |
| 21355                 | 21360 | 21365   | 21370 | 21375 | 21380 | 21385 | 21390 | 21395 | 21400 |
| 21405                 | 21410 | 21415   | 21420 | 21425 | 21430 | 21435 | 21440 | 21445 | 21450 |
| 21455                 | 21460 | 21465   | 21470 | 21475 | 21480 | 21485 | 21490 | 21495 | 21500 |
| 21505                 | 21510 | 21515   | 21520 | 21525 | 21530 | 21535 | 21540 | 21545 | 21550 |
| 21555                 | 21560 | 21565   | 21570 | 21575 | 21580 | 21585 | 21590 | 21595 | 21600 |
| 21605                 | 21610 | 21615   | 21620 | 21625 | 21630 | 21635 | 21640 | 21645 | 21650 |
| 21655                 | 21660 | 21665   | 21670 | 21675 | 21680 | 21685 | 21690 | 21695 | 21700 |
| 21705                 | 21710 | 21715   | 21720 | 21725 | 21730 | 21735 | 21740 | 21745 | 21750 |
| 21755                 | 21760 | 21765   | 21770 | 21775 | 21780 | 21785 | 21790 | 21795 | 21800 |
| 21805                 | 21810 | 21815   | 21820 | 21825 | 21830 | 21835 | 21840 | 21845 | 21850 |
| 21855                 | 21860 | 21865   | 21870 | 21875 | 21880 | 21885 | 21890 | 21895 | 21900 |
| 21905                 | 21910 | 21915   | 21920 | 21925 | 21930 | 21935 | 21940 | 21945 | 21950 |
| 21955                 | 21960 | 21965   | 21970 | 21975 | 21980 | 21985 | 21990 | 21995 | 22000 |
| 22005                 | 22010 | 22015   | 22020 | 22025 | 22030 | 22035 | 22040 | 22045 | 22050 |
| 22055                 | 22060 | 22065   | 22070 | 22075 | 22080 | 22085 | 22090 | 22095 | 22100 |
| 22105                 | 22110 | 22115   | 22120 | 22125 | 22130 | 22135 | 22140 | 22145 | 22150 |
| 22155                 | 22160 | 22165   | 22170 | 22175 | 22180 | 22185 | 22190 | 22195 | 22200 |
| 22205                 | 22210 | 22215   | 22220 | 22225 | 22230 | 22235 | 22240 | 22245 | 22250 |
| 22255                 | 22260 | 22265   | 22270 | 22275 | 22280 | 22285 | 22290 | 22295 | 22300 |
| 22305                 | 22310 | 22315   | 22320 | 22325 | 22330 | 22335 | 22340 | 22345 | 22350 |
| 22355                 | 22360 | 22365   | 22370 | 22375 | 22380 | 22385 | 22390 | 22395 | 22400 |
| 22405                 | 22410 | 22415   | 22420 | 22425 | 22430 | 22435 | 22440 | 22445 | 22450 |
| 22455                 | 22460 | 22465   | 22470 | 22475 | 22480 | 22485 | 22490 | 22495 | 22500 |
| 22505                 | 22510 | 22515   | 22520 | 22525 | 22530 | 22535 | 22540 | 22545 | 22550 |
| 22555                 | 22560 | 22565   | 22570 | 22575 | 22580 | 22585 | 22590 | 22595 | 22600 |
| 22605                 | 22610 | 22615   | 22620 | 22625 | 22630 | 22635 | 22640 | 22645 | 22650 |
| 22655                 | 22660 | 22665   | 22670 | 22675 | 22680 | 22685 | 22690 | 22695 | 22700 |
| 22705                 | 22710 | 22715   | 22720 | 22725 | 22730 | 22735 | 22740 | 22745 | 22750 |
| 22755                 | 22760 | 22765   | 22770 | 22775 | 22780 | 22785 | 22790 | 22795 | 22800 |
| 22805                 | 22810 | 22815   | 22820 | 22825 | 22830 | 22835 | 22840 | 22845 | 22850 |
| 22855                 | 22860 | 22865   | 22870 | 22875 | 22880 | 22885 | 22890 | 22895 | 22900 |
| 22905                 | 22910 | 22915   | 22920 | 22925 | 22930 | 22935 | 22940 | 22945 | 22950 |
| 22955                 | 22960 | 22965   | 22970 | 22975 | 22980 | 22985 | 22990 | 22995 | 23000 |
| 23005                 | 23010 | 23015   | 23020 | 23025 | 23030 | 23035 | 23040 | 23045 | 23050 |
| 23055                 | 23060 | 23065   | 23070 | 23075 | 23080 | 23085 | 23090 | 23095 | 23100 |
| 23105                 | 23110 | 23115   | 23120 | 23125 | 23130 | 23135 | 23140 | 23145 | 23150 |
| 23155                 | 23160 | 23165   | 23170 | 23175 | 23180 | 23185 | 23190 | 23195 | 23200 |
| 23205                 | 23210 | 23215   | 23220 | 23225 | 23230 | 23235 | 23240 | 23245 | 23250 |
| 23255                 | 23260 | 23265   | 23270 | 23275 | 23280 | 23285 | 23290 | 23295 | 23300 |
| 23305                 | 23310 | 23315   | 23320 | 23325 | 23330 | 23335 | 23340 | 23345 | 23350 |
| 23355                 | 23360 | 23365   | 23370 | 23375 | 23380 | 23385 | 23390 | 23395 | 23400 |
| 23405                 | 23410 | 23415   | 23420 | 23425 | 23430 | 23435 | 23440 | 23445 | 23450 |
| 23455                 | 23460 | 23465   | 23470 | 23475 | 23480 | 23485 | 23490 | 23495 | 23500 |
| 23505                 | 23510 | 23515   | 23520 | 23525 | 23530 | 23535 | 23540 | 23545 | 23550 |
| 23555                 | 23560 | 23565   | 23570 | 23575 | 23580 | 23585 | 23590 | 23595 | 23600 |
| 23605                 | 23610 | 23615   | 23620 | 23625 | 23630 | 23635 | 23640 | 23645 | 23650 |
| 23655                 | 23660 | 23665   | 23670 | 23675 | 23680 | 23685 | 23690 | 23695 | 23700 |
| 23705                 | 23710 | 23715   | 23720 | 23725 | 23730 | 23735 | 23740 | 23745 | 23750 |
| 23755                 | 23760 | 23765   | 23770 | 23775 | 23780 | 23785 | 23790 | 23795 | 23800 |
| 23805                 | 23810 | 23815   | 23820 | 23825 | 23830 | 23835 | 23840 | 23845 | 23850 |
| 23855                 | 23860 | 23865   | 23870 | 23875 | 23880 | 23885 | 23890 | 23895 | 23900 |
| 23905                 | 23910 | 23915   | 23920 | 23925 | 23930 | 23935 | 23940 | 23945 | 23950 |
| 23955                 | 23960 | 23965   | 23970 | 23975 | 23980 | 23985 | 23990 | 23995 | 24000 |
| 24005                 | 24010 | 24015   | 24020 | 24025 | 24030 | 24035 | 24040 | 24045 | 24050 |
| 24055                 | 24060 | 24065   | 24070 | 24075 | 24080 | 24085 | 24090 | 24095 | 24100 |
| 24105                 | 24110 | 24115   | 24120 | 24125 | 24130 | 24135 | 24140 | 24145 | 24150 |
| 24155                 | 24160 | 24165   | 24170 | 24175 | 24180 | 24185 | 24190 | 24195 | 24200 |
| 24205                 | 24210 | 24215   | 24220 | 24225 | 24230 | 24235 | 24240 | 24245 | 24250 |
| 24255                 | 24260 | 24265   | 24270 | 24275 | 24280 | 24285 | 24290 | 24295 | 24300 |
| 24305                 | 24310 | 24315   | 24320 | 24325 | 24330 | 24335 | 24340 | 24345 | 24350 |
| 24355                 | 24360 | 24365   | 24370 | 24375 | 24380 | 24385 | 24390 | 24395 | 24400 |
| 24405                 | 24410 | 24415   | 24420 | 24425 | 24430 | 24435 | 24440 | 24445 | 24450 |
| 24455                 | 24460 | 24465   | 24470 | 24475 | 24480 | 24485 | 24490 | 24495 | 24500 |
| 24505                 | 24510 | 24515   | 24520 | 24525 | 24530 | 24535 | 24540 | 24545 | 24550 |
| 24555                 | 24560 | 24565   | 24570 | 24575 | 24580 | 24585 | 24590 | 24595 | 24600 |
| 24605                 | 24610 | 24615   | 24620 | 24625 | 24630 | 24635 | 24640 | 24645 | 24650 |
| 24655                 | 24660 | 24665   | 24670 | 24675 | 24680 | 24685 | 24690 | 24695 | 24700 |
| 24705                 | 24710 | 24715   | 24720 | 24725 | 24730 | 24735 | 24740 | 24745 | 24750 |
| 24755                 | 24760 | 24765   | 24770 | 24775 | 24780 | 24785 | 24790 | 24795 | 24800 |
| 24805                 | 24810 | 24815   | 24820 | 24825 | 24830 | 24835 | 24840 | 24845 | 24850 |
| 24855                 | 24860 | 24865   | 24870 | 24875 | 24880 | 24885 | 24890 | 24895 | 24900 |
| 24905                 | 24910 | 24915   | 24920 | 24925 | 24930 | 24935 | 24940 | 24945 | 24950 |
| 24955                 | 24960 | 24965   | 24970 | 24975 | 24980 | 24985 | 24990 | 24995 | 25000 |
| 25005                 | 25010 | 25015   | 25020 | 25025 | 25030 | 25035 | 25040 | 25045 | 25050 |
| 25055                 | 25060 | 25065   | 25070 | 25075 | 25080 | 25085 | 25090 | 25095 | 25100 |
| 25105                 | 25110 | 25115   | 25120 | 25125 | 25130 | 25135 | 25140 | 25145 | 25150 |
| 25155                 | 25160 | 25165   | 25170 | 25175 | 25180 | 25185 | 25190 | 25195 | 25200 |
| 25205                 | 25210 | 25215   | 25220 | 25225 | 25230 | 25235 | 25240 | 25245 | 25250 |
| 25255                 | 25260 | 25265   | 25270 | 25275 | 25280 | 25285 | 25290 | 25295 | 25300 |
| 25305                 | 25310 | 25315   | 25320 | 25325 | 25330 | 25335 | 25340 | 25345 | 25350 |
| 25355                 | 25360 | 25365   | 25370 | 25375 | 25380 | 25385 | 25390 | 25395 | 25400 |
| 25405                 | 25410 | 25415   | 25420 | 25425 | 25430 | 25435 | 25440 | 25445 | 25450 |
| 25455                 | 25460 | 25465   | 25470 | 25475 | 25480 | 25485 | 25490 | 25495 | 25500 |
| 25505                 | 25510 | 25515   | 25520 | 25525 | 25530 | 25535 | 25540 | 25545 | 25550 |
| 25555                 | 25560 | 25565   | 25570 | 25575 | 25580 | 25585 | 25590 | 25595 | 25600 |
| 25605                 | 25610 | 25615   | 25620 | 25625 | 25630 | 25635 | 25640 | 25645 | 25650 |
| 25655                 | 25660 | 25665   | 25670 | 25675 | 25680 | 25685 | 25690 | 25695 | 25700 |
| 25705                 | 25710 | 25715   | 25720 | 25725 | 25730 | 25735 | 25740 | 25745 | 25750 |
| 25755                 | 25760 | 25765   | 25770 | 25775 | 25780 | 25785 | 25790 | 25795 | 25800 |
| 25805                 | 25810 | 25815   | 25820 | 25825 | 25830 | 25835 | 25840 | 25845 | 25850 |
| 25855                 | 25860 | 25865   | 25870 | 25875 | 25880 | 25885 | 25890 | 25895 | 25900 |
| 25905                 | 25910 | 25915   | 25920 | 25925 | 25930 | 25935 | 25940 | 25945 | 25950 |
| 25955                 | 25960 | 25965   | 25970 | 25975 | 25980 | 25985 | 25990 | 25995 | 26000 |
| 26005                 | 26010 | 26015   | 26020 | 26025 | 26030 | 26035 | 26040 | 26045 | 26050 |
| 26055                 | 26060 | 26065   | 26070 | 26075 | 26080 | 26085 | 26090 | 26095 | 26100 |
| 26105                 | 26110 | 26115   | 26120 | 26125 | 26130 | 26135 | 26140 | 26145 | 26150 |
| 26155                 | 26160 | 26165   | 26170 | 26175 | 26180 | 26185 | 26190 | 26195 | 26200 |
| 26205                 | 26210 | 26215   | 26220 | 26225 | 26230 | 26235 | 26240 | 26245 | 26250 |
| 26255                 | 26260 | 26265   | 26270 | 26275 | 26280 | 26285 | 26290 | 26295 | 26300 |
| 26305                 | 26310 | 26315   | 26320 | 26325 | 26330 | 26335 | 26340 | 26345 | 26350 |
| 26355                 | 26360 | 26365   | 26370 | 26375 | 26380 | 26385 | 26390 | 26395 | 26400 |
| 26405                 | 26410 | 26415</ |       |       |       |       |       |       |       |

|        |      |            |           |
|--------|------|------------|-----------|
| EBOR-- | LC-- | LOLVF DEEL | LOEMYLION |
|--------|------|------------|-----------|

### LOCATION RECORD

EMPLOYEES

DATE

100% USED

## SHOOTING RECORD

## PLUGS AND ADAPTERS

## WEDDING AND GROOMING RECORD

**FOLD MARK**

LOGD | WORK

| ADAPTERS—Material   |          | SHOOTING RECORD        |             | DEBIT SET   |                    |
|---------------------|----------|------------------------|-------------|-------------|--------------------|
| Heavy Duty—Material |          | Light                  |             | Heavy set   |                    |
| PLUGS AND ADAPTERS  |          |                        |             |             |                    |
| 1-1/2"              | 200      | 500                    | 100         | 100         | 100                |
| 1-3/4"              | 200      | 500                    | 100         | 100         | 100                |
| 2"                  | 200      | 500                    | 100         | 100         | 100                |
| Casing size         | Pressure | Number shots of cement | Method used | Mud gravity | Amount of mud used |

### MUDDING AND CEMENTING RECORD

| Mudding and Cementing Record |  |  |  |  |  |
|------------------------------|--|--|--|--|--|
|                              |  |  |  |  |  |

### HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

| Casing size | Per foot weight | Length of plug | Make | Amount | Kind of shot | Cut and pulled from | Flow— | Leak— | Purpose |
|-------------|-----------------|----------------|------|--------|--------------|---------------------|-------|-------|---------|
|             |                 |                |      |        |              |                     |       |       |         |

### CASING RECORD

After cementing 4-1/2" casing at 5647' cement plug was drilled out to 5647' (P.B.T.D.). Perforated 4-1/2" casing 5601'-5607', 5632'-5640', 5559'-5565', 5586'-5590' with 2 jet shots per foot. Set bridge plug at 5644' and packer at 5610'. Treated perforations 5632'-5640' with 500 gallons low surface tension non-emulsifying acid and 3000 gallons HV acid. Set bridge plug at 5610' and packer at 5575' and treated perforations 5607'-5586' with 500 gallons ISTNE acid and 3000 gallons HV acid. Set bridge plug at 5575' and packer at 5530'. Treated perforations 5565'-5559' with 500 gallons ISTNE acid and 3000 gallons HV acid. Pushed plug to bottom of hole and reset packer at 5545'. After swabbing, well flowed 139 barrels oil and 33 barrels acid water in four hours.

The summary on this page is for the condition of the well at above date.

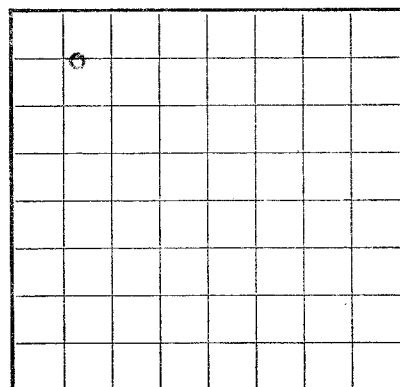
Date October 30, 1951 Title DISCOVERY SUBSURFACE

so far as can be determined from all available records. Signed \_\_\_\_\_

The information given hereafter is a complete and correct record of the well and all work done thereon.

Location 000 ft. [X] of [E] line and [E] of [E] line of Section 11 Elevation 1414  
 Well No. 10 Sec. 11 Twp. 36 Rge. 3 Meridian SPW County San Juan  
 Possessor of tract HEAVY TO TYPE 11 Field 10000 State NEW  
 Company HEAVY TO TYPE 11 Address Box 210, Albuquerque, N. M.

LOCATE WELL CORRECTLY



## LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

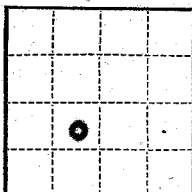
DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PERMIT TO PROTECT

SERIAL NUMBER 1-100-100-0150  
 U. S. LAND OFFICE

POSTER BUREAU NO. 15-43094  
 1-100-100-0150



Copy H. L. C.  
(SUBMIT IN TRIPLICATE)

Form approved.  
Budget Bureau No. 42-R359.4

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee

Lease No. I-149-IND-9124

SUNDRY NOTICES AND REPORTS ON WELLS

|   |          |  |  |
|---|----------|--|--|
| NOTICE OF INTENTION TO DRILL                  |          | SUBSEQUENT REPORT OF WATER SHUT-OFF        |  |
| NOTICE OF INTENTION TO CHANGE PLANS           |          | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    |          | SUBSEQUENT REPORT OF ALTERING CASING       |  |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL |          | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       |          | SUBSEQUENT REPORT OF ABANDONMENT           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   |          | SUPPLEMENTARY WELL HISTORY                 |  |
| NOTICE OF INTENTION TO ABANDON WELL           |          |  |  |
| <b>NOTICE OF INTENTION TO CON-</b>            | <b>X</b> |  |  |

VERT (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 18, 1962

Navajo Tribe "J"  
Well No. 16 is located 1980 ft. from [S] line and 1980 ft. from [E] line of sec. 17

SW 1/4 of Sec. 17 40-S 26-E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Ismay San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5027 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pull rods and tubing and rerun tubing with injection packer. Packer is to be set at 5500'. Install the necessary surface facilities to inject propane in the Ismay zone of this well.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company TEXACO Inc.

Address P. O. Box 810

Farmington, New Mexico

By [Signature]

Title District Superintendent

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-B1424

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |  |
|--|--|--|
| 1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>I-149-IND. 9124</b>              |
| 2. NAME OF OPERATOR<br><b>TEXACO Inc.</b>  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>Navajo</b>                      |
| 3. ADDRESS OF OPERATOR<br><b>P.O. Box EE Cortez, Colorado 81321</b>  |  | 7. UNIT AGREEMENT NAME<br><b>Ismay Unit</b>                                |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br><b>At surface</b>  |  | 8. FARM OR LEASE NAME  |
| 14. PERMIT NO.   |  | 9. WELL NO.<br><b>S-417</b>  |
| 15. ELEVATIONS (Show whether DF, BT, GR, etc.)<br><b>4974' DF</b>  |  | 10. FIELD AND POOL, OR WILDCAT<br><b>Ismay</b>                             |
| 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data.   |  | 11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA<br><b>19, 40-S, 26-E, SIM</b> |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and points pertinent to this work.)* |  | 12. COUNTY OR PARISH<br><b>San Juan</b>                                    |
|  |  | 13. STATE<br><b>Utah</b>   |

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☒  
(Other)

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
ABANDON\* ☐  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other)

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Proposed remedial work is for the purpose of repairing well casing leak. Procedure for workover will be as follow:

Move in and rig-up service unit. Pull rods and tubing. Run in with full bore retrievable packer and cast iron bridge plug. Set bridge plug at 5500'. Pull up packer and locate hole in casing. Set packer above hole and squeeze with 300 sacks neat with L.F.L cement at minimum required pressure. If necessary, clear hole, wait 4 hours and re-squeeze in 50 sacks. Test cement to 1000 PSI. Drill out cement and run scraper. Drill out bridge plug at 5500'. Return well to production.

18. I hereby certify that the foregoing is true and correct

SIGNED W. E. Wilson

TITLE Field Foreman

DATE 4-16-73

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |   |  |
|---|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |   | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>I-149-IND. 9124</b>                  |
| 2. NAME OF OPERATOR<br><b>TEXACO Inc.</b>   |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>Navajo</b>                          |
| 3. ADDRESS OF OPERATOR<br><b>P.O. Box EE, Cortez, Colorado 81321</b>  |   | 7. UNIT AGREEMENT NAME<br><b>Ismay Unit</b>                                    |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><br><b>660' from South line &amp; 660' from West line.</b> |   | 8. FARM OR LEASE NAME  |
| 14. PERMIT NO.  | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>4974' DF</b> | 9. WELL NO.<br><b>S417</b>   |
|   |   | 10. FIELD AND POOL, OR WILDCAT<br><b>Ismay</b>                                 |
|   |   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br><b>10, 40-S, 26-E, SLM</b> |
|   |   | 12. COUNTY OR PARISH<br><b>San Juan</b>  |
|   |   | 13. STATE<br><b>Utah</b>   |

|   |   |  |  |
|---|---|--|--|
| 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data                         |   |  |  |
| NOTICE OF INTENTION TO:   |   | SUBSEQUENT REPORT OF:                          |  |
| TEST WATER SHUT-OFF <input type="checkbox"/>  | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input checked="" type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>   | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/>           |
| SHOOT OR ACIDIZE <input type="checkbox"/>   | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>              |
| REPAIR WELL <input type="checkbox"/>  | CHANGE PLANS <input type="checkbox"/>         | (Other) <input type="checkbox"/>               |  |
| (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |   |  |  |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

5-1-1973. MIRPU. Bled down well to pit. Installed 2½ EUE gate valve, run & set plug in tbng. Installed stripper. Flow water to pit. Run tbng. with baker full bore packer tested for casing leak. Water flow is from csng. perf. formation. Pulled tbng. & baker packer. Run tbng. back in hole and SI for day. Test before 2 BOPD & 134 BWPD Test after 2 BOPD & 130 BWPD

18. I hereby certify that the foregoing is true and correct

SIGNED Alvin R. ManyTITLE Field ForemanDATE 2-26-74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

USGS(3) UOGCC(2) Navajo Tribe - Superior Oil - HNB - GLE - ARM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 1001-0  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

|   |  |
|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  | RECEIVED   |
| 2. NAME OF OPERATOR<br>Texaco Inc.  | AUG 07 1985  |
| 3. ADDRESS OF OPERATOR<br>P.O. Box EE, Cortez, CO. 81321  | DIVISION OF OIL<br>GAS AND MINING                          |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.<br>See also space 17 below.)<br>At surface<br>660' FSL & 660' FWL |  |
| 14. PERMIT NO.  | 15. ELEVATIONS (Show whether DF, RT, UA, etc.)<br>4974' DF |

|   |                   |
|---|-------------------|
| 5. LEASE DESIGNATION AND SERIAL<br>I-149-IND-9124                           |                   |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Navajo                              |                   |
| 7. UNIT AGREEMENT NAME<br>Ismay Unit  |                   |
| 8. FARM OR LEASE NAME   |                   |
| 9. WELL NO.<br>S417   |                   |
| 10. FIELD AND POOL, OR WILDCAT<br>Ismay                                     |                   |
| 11. SEC., T., R., W. OF AREA AND SURVEY OR AREA<br>Sec. 12, T40S, R26E, SLM |                   |
| 12. COUNTY OR PARISH<br>San Juan  | 13. STATE<br>Utah |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Shut-In

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

S417 is currently a shut-in producer. Texaco Inc. requests approval for extending the shut-in period due to possible tertiary recovery methods currently being considered.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 8/17/85

BY: John R. Dwyer

Federal approval of this action  
is required before commencing  
operations.

18. I hereby certify that the foregoing is true and correct

SIGNED

John R. Dwyer

TITLE

Area Supt.

DATE

8/1/85

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

BLM (4) - UOGCO (3) - JNH-AJS-ARM-Navajo Tribe



DATE: 05/02/91

## W E L L S B Y O P E R A T O R

PAGE: 89

| ACCT<br>NUM | COMPANY NAME          | FLD<br>NUM | FIELD NAME   | TOWN<br>SHIP | RANGE | SEC        | QTR<br>QTR | API<br>NUMBER       | PROD<br>ZONE | WELL<br>STATUS             | ENTITY | WELL NAME                |
|-------------|-----------------------|------------|--------------|--------------|-------|------------|------------|---------------------|--------------|----------------------------|--------|--------------------------|
| NO960       | TERRA RESOURCES, INC. | 160        | BAR X        | S170         | E250  | 1          | SWSW       | 4301930591          |              | LA                         | 99998  | BAR X UNIT #10           |
|             |                       |            |              | S170         | E250  | 11         | SESW       | 4301930607          |              | LA                         | 99998  | BAR X UNIT #17           |
|             |                       |            |              | S170         | E250  | 12         | NWNW       | 4301930616          |              | LA                         | 99998  | BAR X UNIT #18           |
| NO970       | TETON ENERGY CO INC   | 1          | WILDCAT      | S140         | E260  | 18         | SWNW       | 4301930592          |              | PA                         | 99998  | BAR X UNIT #11           |
|             |                       |            |              | S140         | E080  | 27         | SWSW       | 4300730065          |              | PA                         | 99998  | HALEY SIDING STATE #27-3 |
|             |                       |            |              | S140         | E080  | 36         | NESE       | 4300730042          |              | PA                         | 99998  | HALEY'S SIDING #36-4     |
|             |                       |            |              | S010         | W030  | 13         | SWNE       | 4301330436          |              | LA                         | 99998  | UTE TRIBAL #13-1         |
|             |                       |            |              | S010         | W030  | 14         | NWNE       | 4301330437          |              | LA                         | 99998  | UTE TRIBAL #14-1         |
|             |                       |            |              | S010         | W030  | 23         | NENW       | 4301330438          |              | LA                         | 99998  | UTE TRIBAL #23-1         |
| NO980       | TEXACO INC            | 200        | FENCE CANYON | S060         | E200  | 8          | NENW       | 4304730377          |              | PA                         | 99998  | FEDERAL #1-8             |
|             |                       |            |              | S155         | E230  | 33         | SWSE       | 4301916046          | DKTA         | SGW                        | 7015   | FENCE CNY U #3           |
|             |                       |            |              | S400         | E260  | 16         | SWSE       | 4303715545          | ISMY         | POW                        | 7010   | ST WOOLLEY 2 (U416)      |
| 380         | ISMAV                 | S400       | E260         | 16           | SWNW  | 4303715546 | ISMY       | POW                 | 7010         | ST WOOLLEY 3 (S216)        |        |                          |
|             |                       | S400       | E230         | 12           | SWSW  | 4303715822 | DSCR       | POW                 | 7000         | BURTON 14-12 (A412)        |        |                          |
|             |                       | S400       | E230         | 13           | NENW  | 4303715824 | DSCR       | POW                 | 7000         | BURTON 21-13 (B113)        |        |                          |
| 365         | GREATER ANETH         | S400       | E230         | 12           | SWSE  | 4303715829 | DSCR       | POW                 | 7000         | BURTON 34-12 (C412)        |        |                          |
|             |                       | S400       | E240         | 16           | SWNE  | 4303715835 | DSCR       | POW                 | 7000         | ST THREE 32-16 (G216)      |        |                          |
|             |                       | S400       | E240         | 16           | NESE  | 4303715837 | DSCR       | POW                 | 7000         | ST THREE 43-16 (H316)      |        |                          |
| S400        | E230                  | 14         | SWSW         | 4303716031   | DSCR  | SOW        | 7000       | ARROWHEAD 8 (A414)  |              |                            |        |                          |
|             |                       | S400       | E230         | 11           | NESE  | 4303716037 | DSCR       | SOW                 | 7000         | MESA 2 (ANTH D311)         |        |                          |
|             |                       | S400       | E240         | 15           | SWNW  | 4303716058 | IS-DC      | POW                 | 7000         | NAV TRB E-2 (E215)         |        |                          |
| S400        | E240                  | 15         | NENW         | 4303716074   | IS-DC | POW        | 7000       | NAV TRB E-12 (F115) |              |                            |        |                          |
|             |                       | S400       | E240         | 25           | SENW  | 4303716080 | DSCR       | POW                 | 7000         | NAV TRB C-20 (F225)        |        |                          |
|             |                       | S400       | E240         | 35           | NWNE  | 4303716098 | DSCR       | PA                  | 7000         | NAV TRB Q-1 (G135)         |        |                          |
| S400        | E240                  | 22         | SWNE         | 4303716099   | DSCR  | POW        | 7000       | NAV TRB D-1 (G222)  |              |                            |        |                          |
|             |                       | S400       | E240         | 15           | SESE  | 4303716126 | IS-DC      | POW                 | 7000         | NAV TRB E-1 (H415)         |        |                          |
|             |                       | S400       | E260         | 7            | SWSW  | 4303716174 | ISMY       | POW                 | 7010         | NAV TRB H-2 (S407)         |        |                          |
| S400        | E260                  | 17         | SWSW         | 4303716175   | ISMY  | SOW        | 7010       | NAV TRB J16 (S417)  |              |                            |        |                          |
|             |                       | S400       | E260         | 18           | SWSW  | 4303716176 | ISMY       | SOW                 | 7010         | NAV TR K-10 (S418)         |        |                          |
|             |                       | S400       | E260         | 17           | SWNE  | 4303716180 | ISMY       | POW                 | 7010         | NAV TRB J12 (U217)         |        |                          |
| S400        | E260                  | 18         | SWNE         | 4303716181   | ISMY  | SOW        | 7010       | NAV TR K-2 (U218)   |              |                            |        |                          |
|             |                       | S400       | E260         | 21           | SWNE  | 4303716182 | ISMY       | PA                  | 7010         | NAV TR J-14 (U221)         |        |                          |
|             |                       | S400       | E260         | 18           | NENE  | 4303716189 | ISMY       | SOW                 | 7010         | NAV TR K-6 (V118)          |        |                          |
| 365         | GREATER ANETH         | S400       | E240         | 34           | NWNE  | 4303716225 | DSCR       | POW                 | 7000         | ANETH 34-C1 (G134)         |        |                          |
|             |                       | S400       | E240         | 34           | SESE  | 4303716230 | IS-DC      | POW                 | 7000         | ANETH 34-D4 (H434)         |        |                          |
| 380         | ISMAV                 | S400       | E260         | 27           | SWNW  | 4303716231 | ISMY       | POW                 | 7010         | E ANETH 27A2 (S227)        |        |                          |
| 365         | GREATER ANETH         | S400       | E240         | 11           | SESE  | 4303716325 | IS-DC      | PA                  | 99998        | NAVAJO A 44-11 (ANETH H-4) |        |                          |
| 380         | ISMAV                 | S400       | E260         | 20           | SENE  | 4303720055 | ISMY       | PA                  | 7010         | WATER WELL 2 (V220)        |        |                          |
| 365         | GREATER ANETH         | S400       | E240         | 14           | NWNW  | 4303730093 | IS-DC      | POW                 | 7000         | ANETH U E114               |        |                          |
|             |                       | S400       | E240         | 7            | NESW  | 4303730115 | IS-DC      | POW                 | 7000         | ANETH U F307               |        |                          |
|             |                       | S400       | E240         | 21           | NENW  | 4303730117 | DSCR       | POW                 | 7000         | ANETH U F121               |        |                          |
|             |                       | S400       | E240         | 18           | NESE  | 4303730136 | IS-DC      | POW                 | 7000         | ANETH U H318               |        |                          |
|             |                       | S400       | E240         | 20           | SWNW  | 4303730150 | DSCR       | POW                 | 7000         | ANETH U E220               |        |                          |
|             |                       | S400       | E240         | 7            | SWSE  | 4303730151 | DSCR       | POW                 | 7000         | ANETH U G407               |        |                          |
|             |                       | S400       | E240         | 17           | NENE  | 4303730153 | DSCR       | POW                 | 7000         | ANETH U H117               |        |                          |
|             |                       | S400       | E240         | 18           | NENW  | 4303730155 | DSCR       | WIW                 | 7000         | ANETH U F118               |        |                          |
|             |                       | S400       | E230         | 13           | NESE  | 4303730162 | DSCR       | POW                 | 7000         | ANETH U D313               |        |                          |



Texaco Exploration and Production Inc  
Midland Producing Division

P O Box 3109  
Midland TX 79702-3109

May 22, 1991

RECEIVED

MAY 28 1991

DIVISION OF  
OIL GAS & MINING

Division of Oil, Gas, and Mining  
Attn: Ms. Lisha Romero  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Gentlemen:

This is to advise that as a part of a reorganization of Texaco Inc., a Delaware corporation, the name of Texaco Producing Inc., a Delaware corporation and wholly owned subsidiary of Texaco Inc., has been changed to Texaco Exploration and Production Inc. Further, Texaco Exploration and Production Inc. will succeed to the rights, titles, interests and obligations of Texaco Inc.

This means that Texaco Exploration and Production Inc. will be the operator for all the oil and gas properties that were operated by Texaco Inc. and Texaco Producing Inc. We plan to abbreviate the name as Texaco E & P Inc. for purposes of submitting production reports, etc., via computer, and we suggest that for consistency you use that abbreviation also.

We have enclosed a Sundry Notice with a list of the wells which Texaco operates in Utah. Also attached is UIC Form 5 for transfer of injection authority. Please note that Texaco has two Divisions which operate wells in Utah. One is located in Denver, Colorado, and the other is in Midland, Texas. We have enclosed separate Sundry Notices and lists of wells for each Division. If you have questions concerning the Denver-operated wells, please call Roger Hadley at (303) 793-4833. If you have questions concerning the Midland-operated wells, please call Ken Miller at (915) 688-4834.

Please change any of your other records as necessary to reflect this change.

Yours very truly,

R. S. Lane  
Assistant Division Manager

RKH/KMM-CC

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPlicate  
(Instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|   |  |  |
|---|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                               |  | 3. LEASE DESIGNATION AND SERIAL NO.              |
| 2. NAME OF OPERATOR<br>Texaco Exploration and Production Inc.   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME             |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 46510, Denver, CO 80201  |  | 7. UNIT AGREEMENT NAME                           |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br>At surface |  | 8. FARM OR LEASE NAME                            |
| 14. PERMIT NO.  |  | 9. WELL NO.                                      |
| 15. ELEVATIONS (Show whether OF, RT, OR, etc.)  |  | 10. FIELD AND POOL, OR WILDCAT                   |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA |
|   |  | 12. COUNTY OR PARISH 13. STATE                   |

MAY 28 1991  
DIVISION OF  
OIL GAS & MINING

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

|   |   |
|---|---|
| TEST WATER SHUT-OFF <input type="checkbox"/>                          | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>                               | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>                             | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>                                  | CHANGE PLANS <input type="checkbox"/>         |
| (Other) Transfer of Plugging Bond <input checked="" type="checkbox"/> |   |

### SUBSEQUENT REPORT OF:

|   |  |
|---|--|
| WATER SHUT-OFF <input type="checkbox"/>                     | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREATMENT <input type="checkbox"/>                 | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/>              | ABANDONMENT* <input type="checkbox"/>    |
| (Other) Transfer of Owner/Operator <input type="checkbox"/> |  |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Texaco Inc. has assigned all its ownership rights in the subject well. As of January 1, 1991, Texaco Inc. is no longer the Operator of subject well. The New Operator Texaco Exploration and Production Inc. hereby accepts operating responsibility and liability under its good and sufficient bond or other security accepted by the Commission for proper plugging and surface restoration of the subject well.

### Former Operator:

TEXACO INC.

Signed: [Signature]

Attorney-In-Fact  
for Texaco Inc.

Date: 3/1/91

### New Operator:

Texaco Exploration and Production Inc.

Signed: [Signature]

Title: Division Manager

Date: 3/1/91

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Division Manager

DATE 3/1/91

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

COMMENTS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals

|  |  |  |
|--|--|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify) |  | 6. Lease Designation and Serial Number |
| 2. Name of Operator<br>Texaco Exploration and Production Inc.  |  | 7. Indian Allottee or Tribe Name       |
| 3. Address of Operator<br>3300 North Butler, Farmington, NM 87401  |  | 8. Unit or Communitization Agreement   |
| 4. Telephone Number<br>(505) 325-4397  |  | 9. Well Name and Number                |
| 5. Location of Well<br>Footage :<br>QQ, Sec. T., R., M. : See Attached   |  | 10. API Well Number                    |
| County :<br>State : UTAH   |  | 11. Field and Pool, or Wildcat         |

**12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment                                       | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                                     | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                                   | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection                           | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat                                    | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                               | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Transfer of Plugging Bond</u> |   |

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment *  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair  | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans  | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator/Operator Name</u> |   |

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This submittal is for a change of operator (name change) for all of the attached wells. The new operator, Texaco Exploration and Production Inc., hereby accepts operating responsibility and liability under its good and sufficient bond or other security accepted by the Department for proper plugging and surface restoration of the attached wells. All contact personnel, office addresses and phone numbers will remain the same.

FORMER OPERATOR: TEXACO INC.

NEW OPERATOR: TEXACO EXPLORATION AND PRODUCTION INC.

SIGNED: *[Signature]*  
Attorney-in-Fact

SIGNED: *[Signature]*  
Assistant Division Manager

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

14. I hereby certify that the foregoing is true and correct

Name & Signature \_\_\_\_\_ Title Asst. Div. Manager Date \_\_\_\_\_  
(State Use Only)

|            |   |
|------------|---|
| 1- LCR/GIL | ✓ |
| 2- DTS-DTS | ✓ |
| 3- VLC     | ✓ |
| 4- RJF     | ✓ |
| 5- RWM     | ✓ |
| 6- LCR     | ✓ |

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☐ Designation of Agent  
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)

(TEXACO EXPLORATION AND PRODUCTION INC.)

|                   |                                    |                        |                             |
|-------------------|------------------------------------|------------------------|-----------------------------|
| TO (new operator) | <u>TEXACO E &amp; P INC.</u>       | FROM (former operator) | <u>TEXACO INC.</u>          |
| (address)         | <u>3300 NORTH BUTLER</u>           | (address)              | <u>3300 NORTH BUTLER</u>    |
|                   | <u>FARMINGTON, NM 87401</u>        |                        | <u>FARMINGTON, NM 87401</u> |
|                   | <u>BRENT HELQUIST</u>              |                        | <u>FRANK</u>                |
|                   | phone <u>(505) 325-4397</u>        |                        | phone <u>(505) 325-4397</u> |
|                   | account no. <u>N 5700 (6-5-91)</u> |                        | account no. <u>N 0980</u>   |

Well(s) (attach additional page if needed):

|                             |            |               |            |            |            |                   |
|-----------------------------|------------|---------------|------------|------------|------------|-------------------|
| Name: <u>(SEE ATTACHED)</u> | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____                 | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____                 | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____                 | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____                 | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____                 | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____                 | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |

# OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (5-28-91)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) (no) \_\_\_\_ If yes, show company file number: #114097.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-11-91)
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above. (will update when filing)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #K0290791-4 80,000-Ins. Co. of N. America rec. 2-11-91.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_. #m157448 80,000-Ins. Co. of N. America

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. 6-27-91

## INDEXING

1. All attachments to this form have been microfilmed. Date: July 15 1991.

## FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

## REMARKS

- 910606 Btm/Farmington N.M. - Duane Spencer (505) 327-5344 will follow up & call back.
- 910607 Btm/Farmington - Approved 4-2-91 "Company Merger" Includes Aneth Unit and Ismay Flodine Unit.
- 910607 St. Lands approved 4-15-91 "merger".

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**Texaco Exploration and Production Inc.**

3. Address and Telephone No.  
**3300 N. Butler, Farmington N.M. 87401 (505)325-4397**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660 FSL & 660 FWL Section 17-T40N-R26E**

5. Lease Designation and Serial No.

**I-149-IND-9124**

6. If Indian, Allottee or Tribe Name

**Navajo**

7. If Unit or CA, Agreement Designation

**Ismay-Flodine Park Unit**

8. Well Name and No.

**S417**

9. API Well No.

**43037161750001**

10. Field and Pool, or Exploratory Area

**Ismay**

11. County or Parish, State

**San Juan, Utah**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Return to production**  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

7/31/90 - MIRUPU. TOO H w/ rods. Left 525' of rods in hole. NUBOP's. TOO H w/ tubing. Tubing parted while tripping. TIH w/ fishing tools. Recovered 2' of the fish. Clean out hole to 4531'. Contacted the Farmington office of the BLM. Mr. Kenny Howell gave verbal approval to set a cement retainer above the fish. TIH w/ cement retainer. Set retainer at 4500'. TOO H. TIH w/ packer. Isolated a casing leak from 2764' to 2892'. Chemically treat wellbore. RDMOL.

**RECEIVED**

**SEP 12 1991**

**DIVISION OF  
OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed *John A. Taylor*

Title **Area Manager**

Date **9-10-91**

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

BLM - Farmington (5), UOGCC (3), Navajo Tribe, TAT

JLB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**Texaco Exploration and Production Inc.**

3. Address and Telephone No.  
**3300 N. Butler, Farmington N.M. 87401 (505)325-4397**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660 FSL & 660 FWL Section 17-T40N-R26E**

5. Lease Designation and Serial No.  
**I-149-IND-9124**

6. If Indian, Allottee or Tribe Name  
**Navajo**

7. If Unit or CA, Agreement Designation  
**Ismay-Flodine Park Unit**

8. Well Name and No.  
**S417**

9. API Well No.  
**43037161750001**

10. Field and Pool, or Exploratory Area  
**Ismay**

11. County or Parish, State  
**San Juan, Utah**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☐ Other \_\_\_\_\_

- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Texaco proposes to plug and abandon the subject well. See attached procedure and wellbore diagrams for pertinent details. Tentative start date is November 1, 1991.

**RECEIVED**

SEP 30 1991

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/1/91

BY: [Signature]

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title

**Area Manager**

Date

9-26-91

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

BLM - Farmington (5), UOGCC (3), Navajo Tribe, TAT

JLB



**ISMAY - FLODINE PARK UNIT S417  
PLUGGING PROCEDURE**

1. Notify the BLM before moving on location. Contact Larry Schlotterback to coordinate notifications.
2. MIRUPU. NUBOP's w/ pipe and blind rams. Pick up 2 3/8" workstring and TIH. Sting into cement retainer at 4500'. RU pump truck and establish a rate and pressure. Pump 310 sxs. of cement down tubing. Sting out of retainer and spot 50' (3 sxs) of cement on top of retainer. Flush tubing w/ 18 bbls of 10 ppg mud and spot 25 bbls of 10 ppg mud from 4450' to 2900'. TOOH.
3. RU wireline and shoot 4 squeeze holes at 2900'. TIH w/ packer and set at 2850'. RU pump truck and establish a rate and pressure. TOOH. If rate can be established then proceed with step 3.a. otherwise skip to step 3.b.
  - a.) TIH w/ 4 1/2" cement retainer. Set retainer at 2650'. Pump 65 sxs of cement down tubing. Sting out of retainer and spot 50' (3 sxs) of cement on top of retainer. Flush tubing w/ 11 bbls of 10 ppg mud and spot 16 bbls of 10 ppg mud from 2600' to 1610'. TOOH. Go to step 4.
  - b.) Spot 20 sxs of cement from 2900' to 2650'. Pull up to 2000' and reverse out excess cement. WOC. Tag cement top. If cement top has fallen then spot cement to 2650' and repeat procedure. Otherwise, spot 16 bbls of 10 ppg mud from 2600' to 1610' and TOOH.
4. RU wireline and shoot 4 squeeze holes at 1610'. TIH w/ packer and set at 1560'. RU pump truck and establish a rate and pressure. TOOH. If rate can be established then proceed with step 4.a. otherwise skip to step 4.b.
  - a.) TIH w/ 4 1/2" cement retainer and set at 1510'. RU pump truck and try to establish circulation. If established, then bring cement to surface; otherwise pump 30 sxs. of cement down tubing. Sting out of retainer and spot 50' (3 sxs) of cement on top of retainer. Flush tubing w/ 6 bbls of 10 ppg mud and spot 23 bbls of 10 ppg mud. TOOH. Go to step 5.
  - b.) Spot 6 sxs of cement from 1610' to 1510'. Pull up to 1000' and reverse out excess cement. WOC. Tag cement top. If cement top has fallen then spot cement to 1510' and repeat procedure. Otherwise, spot 23 bbls of 10 ppg mud and TOOH.

5. Spot 50' surface plug (3 sxs) in 4-1/2" casing, cut off wellhead, erect marker, remove flowline and deadmen, and clean location.

Cement - API Class G neat cement w/ 6% bentonite.

Water requirements: 8.9 gal./sx.

Slurry volume: 1.71 cu. ft./sx.

Slurry weight: 13.6 lbs/gal.

# Ismay-Flodine Park Unit S417

## Formation tops:

Chinlee 1560'

DeChelly 2710'

Hermosa 4590'

Ismay 5505'

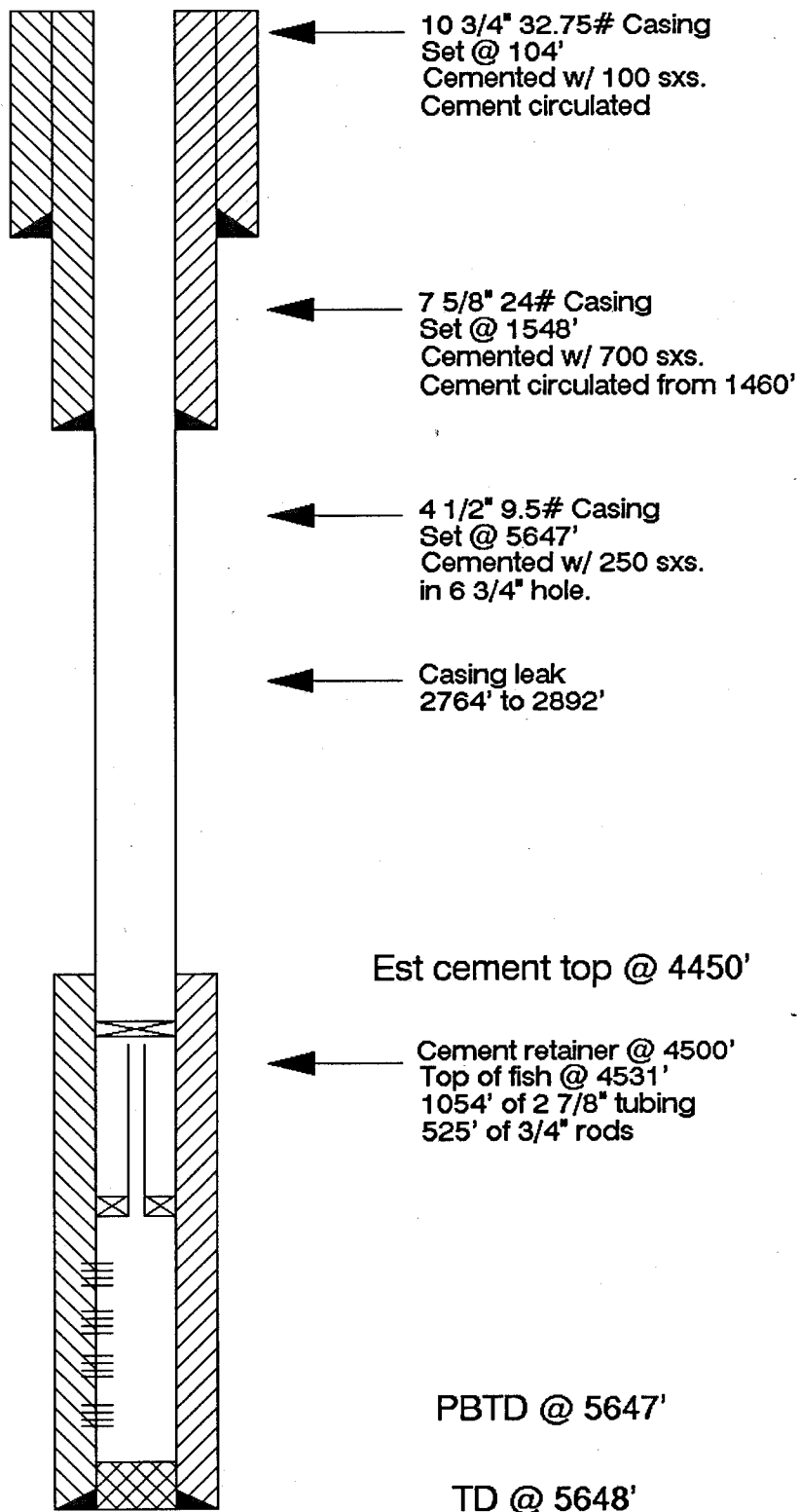
## Perforations:

5559' - 65'

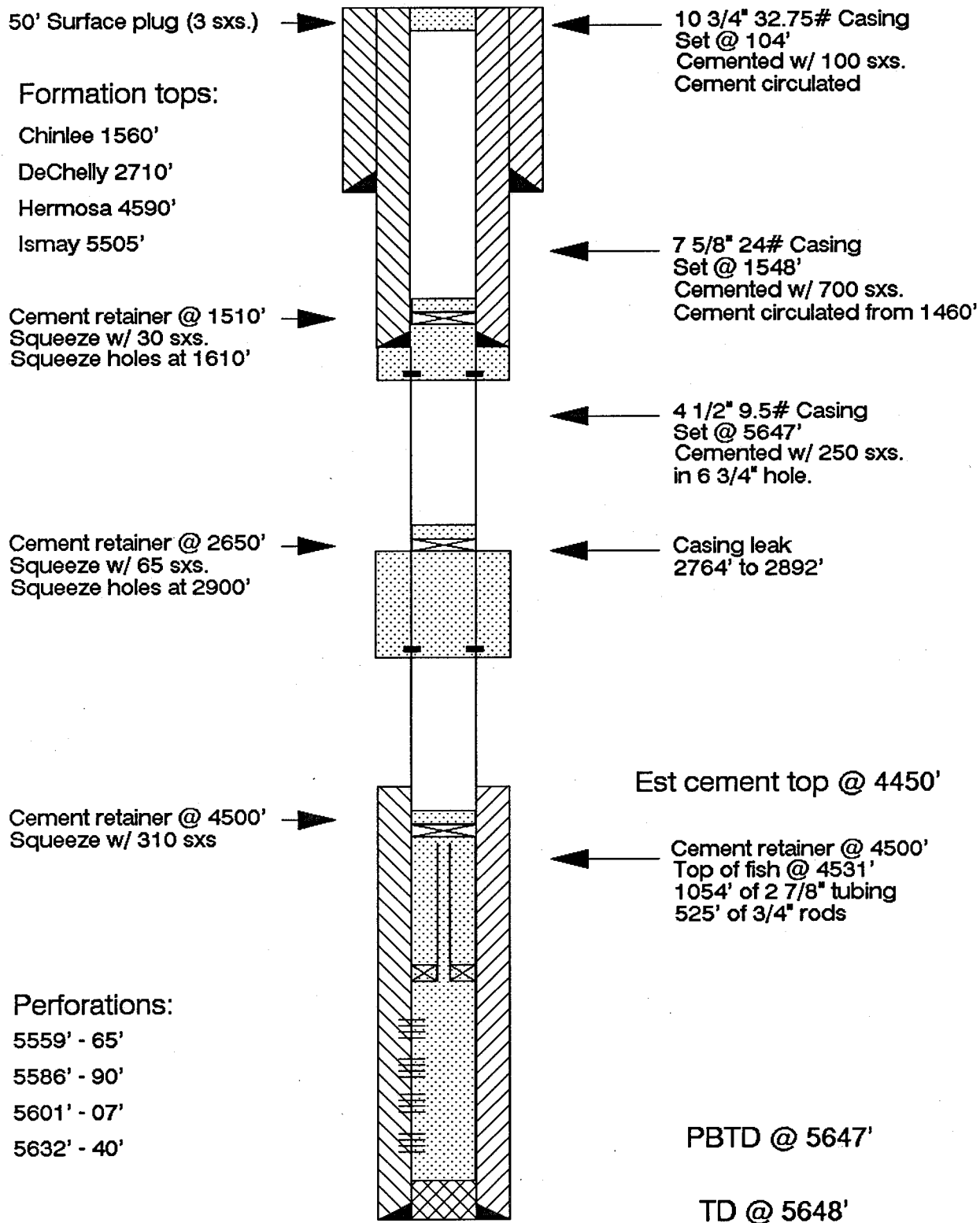
5586' - 90'

5601' - 07'

5632' - 40'



# Ismay-Flodine Park Unit S417



## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN BRENT HELQUIST  
TEXACO E & P, INC  
3300 N BUTLER  
FARMINGTON NM 87401

Utah Account No. N5700

Report Period (Month/Year) 2 / 92

Amended Report ☐

| Well Name          |                  |          |  | Producing<br>Zone | Days<br>Oper | Production Volume |            |             |
|--------------------|------------------|----------|--|-------------------|--------------|-------------------|------------|-------------|
| API Number         | Entity           | Location |  |                   |              | Oil (BBL)         | Gas (MSCF) | Water (BBL) |
| NAV TRB J13 (S217) |                  |          |  |                   |              |                   |            |             |
| 4303716170         | 07010 40S 26E 17 | ISMV     |  |                   |              |                   |            |             |
| NAV TR K-4 (S218)  |                  |          |  |                   |              |                   |            |             |
| 4303716171         | 07010 40S 26E 18 | ISMV     |  |                   |              |                   |            |             |
| NAV TR J-17 (S222) |                  |          |  |                   |              |                   |            |             |
| 4303716173         | 07010 40S 26E 22 | ISMV     |  |                   |              |                   |            |             |
| NAV TRB H-2 (S407) |                  |          |  |                   |              |                   |            |             |
| 4303716174         | 07010 40S 26E 7  | ISMV     |  |                   |              |                   |            |             |
| NAV TRB J16 (S417) |                  |          |  |                   |              |                   |            |             |
| 4303716175         | 07010 40S 26E 17 | ISMV     |  |                   |              |                   |            |             |
| NAV TR J-22 (S422) |                  |          |  |                   |              |                   |            |             |
| 4303716177         | 07010 40S 26E 22 | ISMV     |  |                   |              |                   |            |             |
| NAV TRB J12 (U217) |                  |          |  |                   |              |                   |            |             |
| 4303716180         | 07010 40S 26E 17 | ISMV     |  |                   |              |                   |            |             |
| NAV TR K-2 (U218)  |                  |          |  |                   |              |                   |            |             |
| 4303716181         | 07010 40S 26E 18 | ISMV     |  |                   |              |                   |            |             |
| NAV TR J-25 (U222) |                  |          |  |                   |              |                   |            |             |
| 4303716183         | 07010 40S 26E 22 | ISMV     |  |                   |              |                   |            |             |
| NAV TR AC3 (U234)  |                  |          |  |                   |              |                   |            |             |
| 4303716184         | 07010 40S 26E 34 | ISMV     |  |                   |              |                   |            |             |
| NAV TRB J-6 (U417) |                  |          |  |                   |              |                   |            |             |
| 4303716185         | 07010 40S 26E 17 | ISMV     |  |                   |              |                   |            |             |
| NAV TR K-7 (U418)  |                  |          |  |                   |              |                   |            |             |
| 4303716186         | 07010 40S 26E 18 | ISMV     |  |                   |              |                   |            |             |
| NAV J-15 (U422)    |                  |          |  |                   |              |                   |            |             |
| 4303716187         | 07010 40S 26E 22 | ISMV     |  |                   |              |                   |            |             |
| TOTAL              |                  |          |  |                   |              |                   |            |             |

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

RECEIVED

Authorized signature

Telephone

MAR 13 1992

DIVISION OF  
OIL GAS & MINING

PLEASE COMPLETE FORMS IN BLACK INK

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Texaco Exploration and Production Inc.

3. Address and Telephone No.  
3300 N. Butler, Farmington N.M. 87401 (505)325-4397

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660 FSL & 660 FWL Section 17-T40N-R26E

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
I-149-IND-9124

6. If Indian, Allottee or Tribe Name  
Navajo

7. If Unit or CA, Agreement Designation

Ismay-Flodine Park Unit

8. Well Name and No.  
S417

9. API Well No.  
43037161750001

10. Field and Pool, or Exploratory Area  
Ismay

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

12/16/91 - MIRUPU. NUBOP's. TIH w/ packer to 2600'. Swab back fluid from the DeChelly formation for analysis. TOOH. TIH and sting into cement retainer at 4500'. Established rate and pressure at .75 BPM @ 1500#. Pumped 16 bbls of cement plus tubing displacement. Spotted 50' of cement on retainer and 27 bbls of 10 ppg mud to 2810'. Spotted 7 bbls of cement from 2900' to 2600' (50% excess). WOC. Tagged top of cement at 2830'. Spotted 7 bbls of cement from 2830' to 2600' (50% excess). WOC. Tagged top of cement at 2400'. Spotted 13 bbls of mud to 1610'. TOOH. RU wireline and shot 4 squeeze holes at 1610'. TIH w/ cement retainer and set at 1510'. Established circulation to surface at 1.25 BPM @ 450#. Pumped 87 bbls of cement to surface. Spotted 50' of cement on retainer and 10 ppg mud to surface. TOOH. RDBOP's. TIH w/ two joints. Pumped cement to surface. TOOH. Filled hole with cement. RDMOL.

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title Area Manager

Date 12/23/91

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

**OPERATOR**

Date [Signature]

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

BLM - Farmington (5), UOGCC (3), Navajo Tribe, TAT

JLB